INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/018509

	ATION OF SUBJECT MATTER G02B6/12, G02B1/02		- -		
According to Inte	ernational Patent Classification (IPC) or to both national	classification and IPC			
B. FIELDS SEA					
Minimum docum Int.Cl ⁷	entation searched (classification system followed by classification system	ssification symbols)	•		
			fields		
Jitsuyo		nt that such documents are included in the coku Jitsuyo Shinan Kcho csuyo Shinan Toroku Koho	e fields searched 1994-2004 ·1996-2004		
Electronic data ba	ase consulted during the international search (name of da	ata base and, where practicable, search te	erms used)		
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		Y		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
X	JP 2003-240989 A (Matsushita	Electric	1-9,13,16, 18-20		
Y	Industrial Co., Ltd.), 27 August, 2003 (27.08.03),		1-13,16,		
	Par. No. [0143]; Fig. 8		18-21 14		
A	& US 2003/0180023 A1				
Х · У	JP 2002-365599 A (Agilent Ted 18 December, 2002 (18.12.02),	chnologies Inc.),	1-9,16-18 1-12,16-18,		
<u>.</u>	Par. No. [0035]; Fig. 9	0000/01/0500	21		
	& EP 1255136 A3 & US	2002/0159733 A1			
X	M.D.B. Charlton et al., Mater		1-9,16-18		
Y	Engineering B, 1997, Vol.49, pages 155 to 165	NO.Z,	1-12,16-18,		
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X Further do	cuments are listed in the continuation of Box C.	See patent family annex.	.l		
"A" document de	taka mada sang tahunggan di kananggan di kananggan di kananggan di kananggan di kananggan di kananggan di kanan				
1	cation or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be considered.	dered to involve an inventive		
"L" document w	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the			
special reaso	on (as specified) eferring to an oral disclosure, use, exhibition or other means	considered to involve an inventive combined with one or more other such	step when the document is documents, such combination		
"P" document published prior to the international filing date but later than the		being obvious to a person skilled in the "&" document member of the same patent	e art		
	al completion of the international search ch, 2005 (08.03.05)	Date of mailing of the international sea 29 March, 2005 (29			
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International application No. PCT/JP2004/018509

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X Y	Steven G. Johnson et al., Physical Review B, 1999, Vol.60, No.8, pages 5751 to 5758	1-9,16-18 1-12,16-18, 21	
X Y	Claude Weisbush et al., IEICE Transactino on Electronics, 2001, Vol.E84-C, No.5, pages 660 to 668	1-9,16-18 1-12,16,18, 21	
Y A	JP 2001-272566 A (Minolta Co., Ltd.), 05 October, 2001 (25.10.01), Par. Nos. [0042] to [0043]; Fig. 2 (Family: none)	1-13,16-21 22-28	
Y	JP 9-5549 A (Sumitomo Electric Industries, Ltd.), 10 January, 1997 (10.01.97), Par. No. [0011]; Fig. 1 (Family: none)	11,12	
A	JP 6-222234 A (Osaka Gas Co., Ltd.), 12 August, 1994 (12.08.94), Par. Nos. [0032] to [0038]; Fig. 4 (Family: none)	22-28	
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